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SMALLRIG 13246

SMALLRIG Wireless Mic S70 User Manual

Model: 13246 (Black)

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1. INTRODUCTION

The SMALLRIG Wireless Mic S70 is a compact and versatile wireless microphone system designed for high-quality audio recording. It features two transmitters (TX) and one receiver (RX) along with a portable charging case, offering extensive compatibility with various devices including Android smartphones, tablets, action cameras, and traditional cameras. This manual provides detailed instructions for setting up, operating, and maintaining your Wireless Mic S70 to ensure optimal performance.



Figure 1: The SMALLRIG Wireless Mic S70 system, including the charging case and two transmitters.

2. INCLUDED COMPONENTS

The SMALLRIG Wireless Mic S70 package includes the following items:

- **Charging Case:** 1 unit. Used for charging and storing the transmitters and receiver.
- **TX Transmitters:** 2 units. These are the microphones that capture audio.
- **Smartphone RX Receiver:** 1 unit. Connects to smartphones and tablets via USB-C.
- **Camera RX Receiver:** 1 unit. Connects to cameras via 3.5mm audio jack.
- **Furry Windscreens:** 2 units. For reducing wind noise during outdoor recordings.
- **USB-C Charging Cable:** 1 unit. For charging the case and devices.
- **3.5mm Audio Adapter Cable:** 1 unit. For connecting the receiver to cameras.
- **Carrying Bag:** 1 unit. For convenient transport and protection.
- **User Manual:** 1 unit. This document.

Tired of These Recording Roadblocks?



Figure 2: Overview of all items included in the SMALLRIG Wireless Mic S70 package.

3. SETUP GUIDE

3.1 Initial Charging

1. Place both TX transmitters and the RX receiver into the charging case.
2. Connect the USB-C charging cable to the charging port on the case and to a power source.
3. The indicator lights on the case and devices will show charging status. Ensure all devices are fully charged before first use.

3.2 Pairing the Devices

The transmitters and receiver are pre-paired at the factory. If re-pairing is needed:

1. Turn on the TX transmitters and RX receiver.
2. On the RX receiver, navigate to the pairing menu.
3. Follow the on-screen instructions to initiate pairing. The devices will automatically connect.

3.3 Connecting to a Recording Device

The S70 offers wide compatibility with various recording devices:

- **For Smartphones/Tablets (USB-C):** Attach the Smartphone RX Receiver directly to your device's USB-C port.
- **For Cameras (3.5mm Jack):** Connect the Camera RX Receiver to your camera's 3.5mm audio input using the provided 3.5mm audio adapter cable.
- **For Action Cameras (USB-C):** For compatible Insta360 and DJI Osmo models, attach the Smartphone RX Receiver directly to the camera's USB-C port.



Figure 3: Connecting the S70 receiver to a smartphone for mobile recording.

Pro Sound in 360° Clarity

48kHz/24-bit Audio

Professional studio resolution

120 dB SPL

Extremely loud sounds without distortion

70 dB SNR

Exceptional clarity over a silent noise floor



Figure 4: Attaching the S70 receiver to a camera for professional audio capture.

4. OPERATING INSTRUCTIONS

4.1 Wearing the Transmitter

The TX transmitters are designed to be discreet and lightweight (8.6g, 8.8 x 29mm). Clip them onto clothing near the speaker's mouth for optimal sound capture. For outdoor use, attach the furry windscreens to minimize wind noise.

SOUND, MASTERED to Your Scene

Luca Bignardi

Luca Bignardi

Luca Bignardi, a four-time Grammy-winning recording engineer, is known for capturing icons like Andrea Bocelli and Laura Pausini. His philosophy focuses on restoring true sound and creating its feeling.

Four-Time Grammy Award Winner

Exclusive Recording Engineer for The Voice of China

Recording Engineer for the "Fourth Tenor of the World"

Figure 5: The compact design of the S70 transmitter allows for discreet placement on clothing.

300m

984ft Range. Move Without Limits.

Enjoy a stable, clear signal up to 300m (984ft) away. Built-in anti-interference technology ensures reliable audio for outdoor shoots & recording.

*Tested in an unobstructed environment. Data sourced from SmallRig lab. Actual distance may vary due to environmental factors

Figure 6: Attaching the furry windscreens to the transmitter for improved audio in windy conditions.

4.2 Adjusting Gain Levels

The RX receiver allows for precise audio tuning. Adjust the gain levels to match your recording device and

environment:

- **Cameras:** 5-level gain adjustment.
- **Phones:** 3-level gain adjustment.

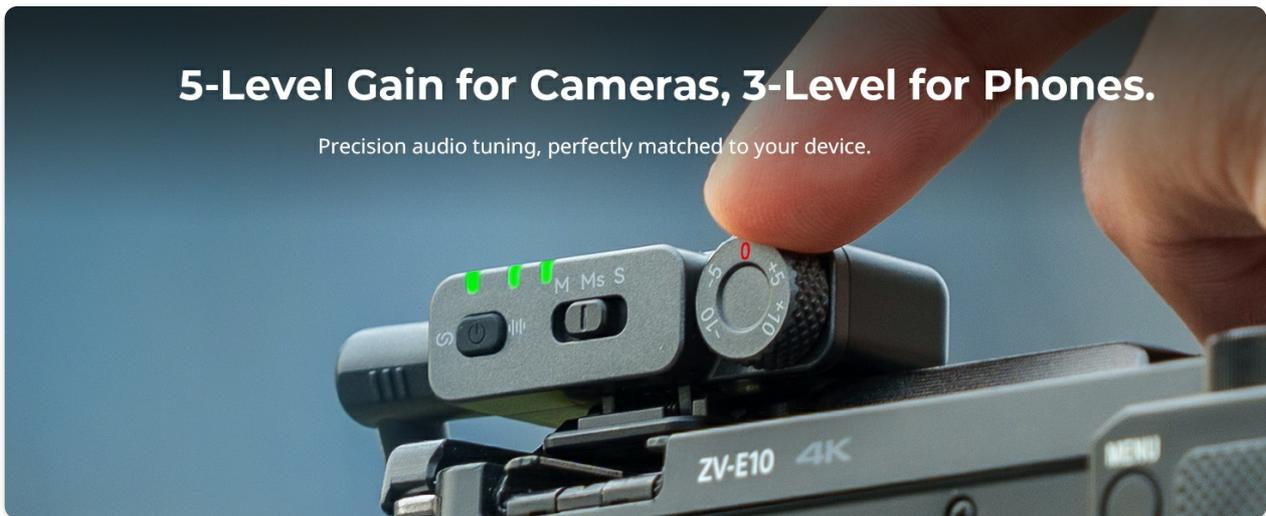


Figure 7: The gain adjustment dial on the receiver for fine-tuning audio input levels.

4.3 Recording Modes and Noise Reduction

The S70 features multiple modes for various recording scenarios:

- **3 Noise Reduction Modes:** Adjust to suit ambient noise levels.
- **3 Mixing Modes:** Choose between Mono, Safety Track, or Stereo. Safety Track records a lower-volume backup to prevent clipping (available when connected to a camera).
- **9 Preset EQ Equalizers:** Tuned by Grammy-winning sound engineer Luca Bignardi for clearer and purer recordings.

Figure 8: Selectable recording modes for diverse audio capture needs.

5. MAINTENANCE

5.1 Cleaning

- Wipe the transmitters, receiver, and charging case with a soft, dry cloth.
- Do not use liquid cleaners or solvents.
- Clean the furry windscreens gently by hand if necessary, and allow them to air dry completely.

5.2 Storage

- Store all components in the provided charging case and carrying bag when not in use.
- Keep the devices in a cool, dry place away from direct sunlight and extreme temperatures.

5.3 Battery Care

- For optimal battery life, fully charge the devices and charging case at least once every three months if not used regularly.
- Avoid completely draining the battery frequently.

6. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|----------------------------|---|---|
| No audio recording | Devices not powered on or paired. Incorrect connection to recording device. | Ensure all devices are powered on and paired. Verify the receiver is correctly connected to your recording device. Check recording device's audio input settings. |
| Poor audio quality / Noise | Interference. Gain levels too high/low. Noisy environment. | Move away from sources of interference. Adjust gain levels on the receiver. Use furry windscreens outdoors. Activate noise reduction modes. |
| Devices not charging | Charging cable or power source issue. Devices not properly seated in case. | Check USB-C cable and power adapter. Ensure devices are correctly placed in the charging case. |
| Limited range | Obstructions or strong interference. | Ensure a clear line of sight between transmitter and receiver. Avoid environments with heavy wireless traffic. |

7. SPECIFICATIONS

| Feature | Detail |
|-----------------------------------|---|
| Model Name | 13246 |
| Connectivity Technology | USB, Wireless |
| Connector Type | 3.5 mm Jack, USB-C |
| Microphone Form Factor | Lavalier |
| Audio Quality | 48 kHz/24-bit |
| Signal-to-Noise Ratio (SNR) | 70 dB |
| Audio Sensitivity | 70 Decibels |
| Battery Life (Continuous Use) | Up to 8 hours |
| Battery Life (with Charging Case) | Over 40 hours |
| Wireless Range | Up to 300m (984ft) in unobstructed environments |
| Weight | 157 Grams (Total package) |
| Transmitter Dimensions | 8.8 x 29mm (approximate, invisible design) |
| Noise Reduction Modes | 3 levels |
| Gain Adjustments | 5 levels for cameras, 3 levels for phones |
| Mixing Modes | Mono, Safety Track, Stereo |
| EQ Presets | 9 preset equalizers |

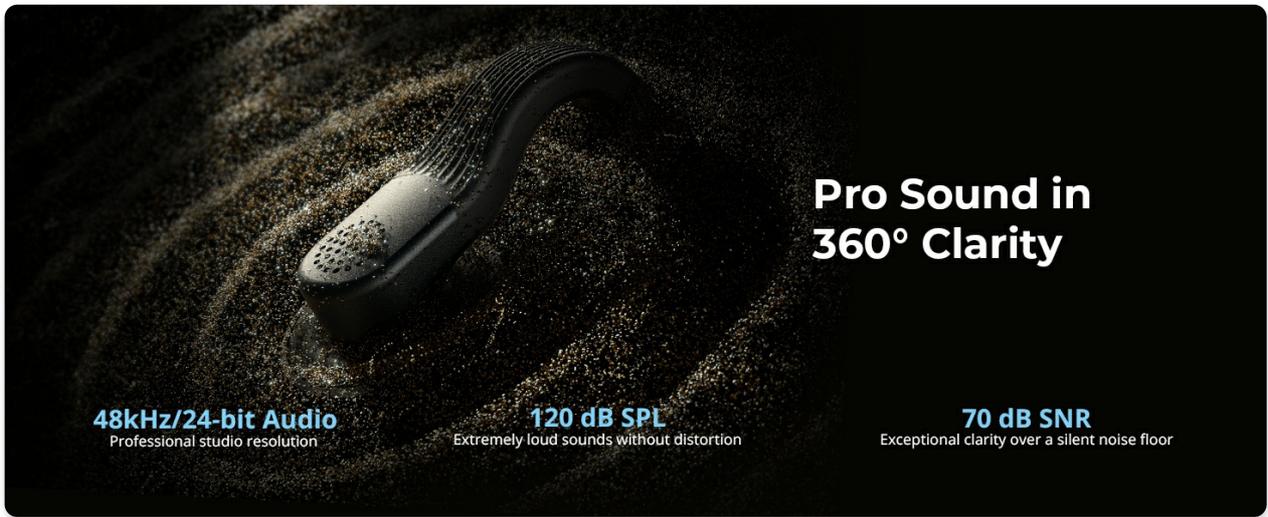


Figure 9: Key audio specifications for professional sound quality.

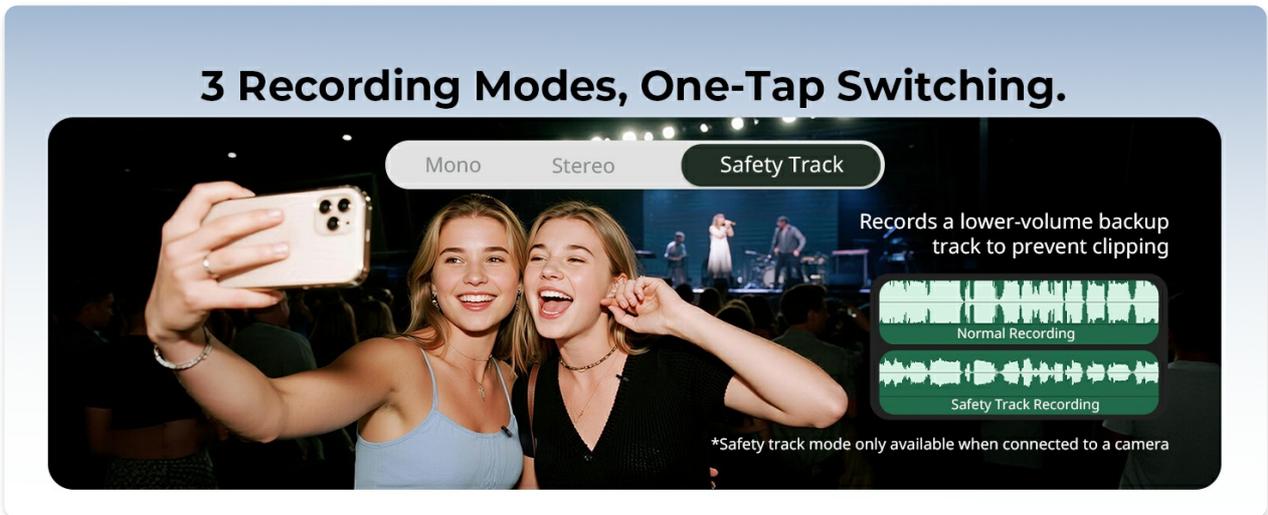


Figure 10: The extensive wireless range of the S70 for flexible recording.

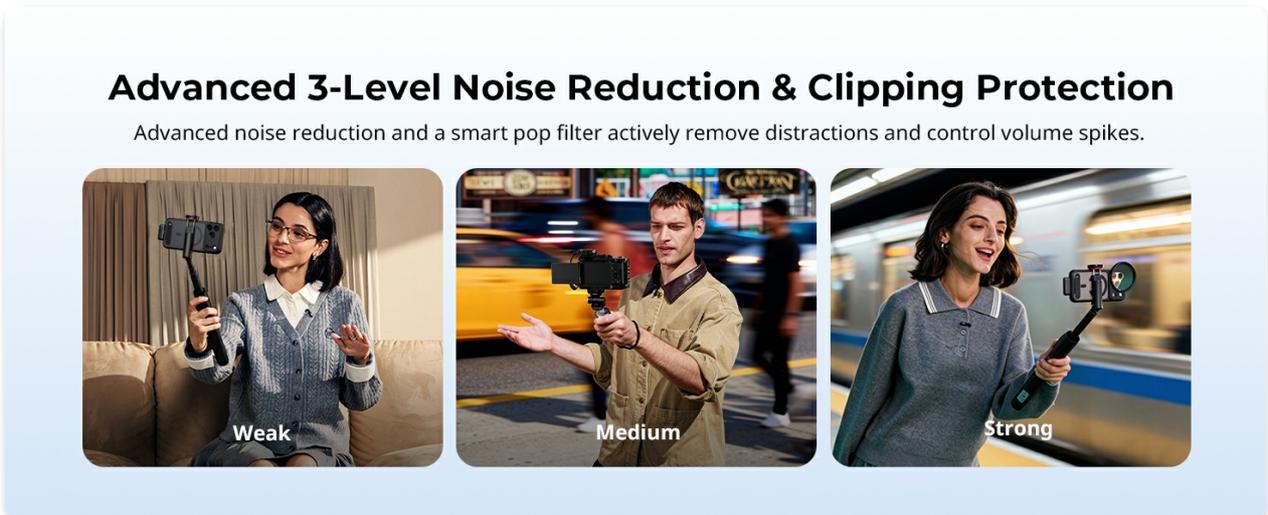


Figure 11: Battery performance details for the S70 system.

8. WARRANTY & SUPPORT

8.1 Warranty Information

SMALLRIG products typically come with a limited manufacturer's warranty. Please refer to the warranty card included in your product packaging or visit the official SMALLRIG website for specific warranty terms and

conditions, including coverage duration and claim procedures.

8.2 Customer Support

For technical assistance, troubleshooting, or any inquiries regarding your SMALLRIG Wireless Mic S70, please contact SMALLRIG customer support through their official website or the contact information provided in your product documentation. Online resources, FAQs, and firmware updates may also be available on the SMALLRIG support page.